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Notice of Allowability	Application No.	Application No. Applicant(s)	
	09/000,626	RENGARAJAN ET A	AL
	Examiner	Art Unit	
	Thien F. Tran	2811	
The MAILING DATE of this communication apperature All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RI of the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOSED in this ap or other appropriate communication IGHTS. This application is subject t	pplication. If not include n will be mailed in due	ed course. THIS
1. This communication is responsive to <u>12/01/2004</u> .			
2. The allowed claim(s) is/are 1-5,7,24 and 25.			
3. \boxtimes The drawings filed on <u>04 January 2002</u> are accepted by the	e Examiner.		
4. ☐ Acknowledgment is made of a claim for foreign priority una) ☐ All b) ☐ Some* c) ☐ None of the: 1. ☐ Certified copies of the priority documents have 2. ☐ Certified copies of the priority documents have 3. ☐ Copies of the certified copies of the priority documents have International Bureau (PCT Rule 17.2(a)). * Certified copies not received: Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONM THIS THREE-MONTH PERIOD IS NOT EXTENDABLE. 5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submit INFORMAL PATENT APPLICATION (PTO-152) which give 6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must (a) ☐ including changes required by the Notice of Draftspers 1) ☐ hereto or 2) ☐ to Paper No./Mail Date (b) ☐ including changes required by the attached Examiner's Paper No./Mail Date Identifying indicia such as the application number (see 37 CFR 1. each sheet. Replacement sheet(s) should be labeled as such in the deposant of the de	been received. been received in Application No cuments have been received in this of this communication to file a reply ENT of this application. itted. Note the attached EXAMINER as reason(s) why the oath or declarate to be submitted. con's Patent Drawing Review (PTO) s Amendment / Comment or in the Comment or in the Comment of BIOLOGICAL MATERIAL I	national stage applicate complying with the requirement of Nation is deficient. -948) attached Office action of the (d). must be submitted. National stages in the front (not the (d).	juirements OTICE OF
Attachment(s) 1. ☐ Notice of References Cited (PTO-892) 2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948) 3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/0 Paper No./Mail Date 4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material	8. Examiner's Statements Statements Supervision Supervision	r (PTO-413), te ment/Comment	wance NER

DETAILED ACTION

Allowable Subject Matter

Claims 1-5, 7, 24 and 25 are allowed.

The following is an examiner's statement of reasons for allowance:

The closest prior art reference, Fukuda, does not teach or render obvious the shallow trench isolation structure as recited in claim 1, wherein the uppermost surface of the nitride liner is recessed to a first depth that is greater than a transistor channel depth, Dc, of a transistor that is disposed in a well beside the shallow trench isolation structure; and substantially no polysilicon material is disposed within the trench; and.

The closest prior art reference, Fukuda, does not teach or render obvious the shallow trench isolation structure as recited in claim 24, wherein the uppermost surface of the nitride liner is recessed to a first depth that is greater than a transistor channel depth, Dc, of a transistor that is disposed in a well beside the shallow trench isolation structure; and polysilicon material is prevented from entering the trench.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Thien F. Tran whose telephone number is (571) 272-1665. The examiner can normally be reached on 8:30AM - 5:00PM Monday through Friday.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Eddie C. Lee can be reached on (571) 272-1732. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

tt February 10, 2005

SUPERVISORY PATENT EXAMINER

TECHNOLOGY CENTER 2800